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**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**JC05 Rec'd PCT/PTO 19 SEP 2005**  
**10/549621**

In re application of:

Dirk BREIDT *et al.*

Serial No: TBA

Filed: September 20, 2005

)  
)  
) Group Art No. TBA

)  
) Examiner: TBA

)  
) Docket No. 000475.00012

For: Body Having A Smooth Diamond Layer,  
Device And Method Therefor

**INFORMATION DISCLOSURE STATEMENT**

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §1.97, Applicants submit herewith one Form PTO-1449 identifying information for consideration by the Examiner.

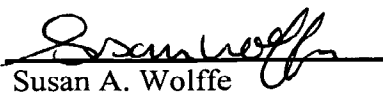
Copies of the cited documents were provided with the International Search Report for the corresponding PCT application.

If the Patent and Trademark Office determines that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

**BANNER & WITCOFF, LTD.**

Date: 9/20/05

By:   
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SAW/sdm

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MS/

|   |                 |  |                     |                            |          |                              |    |
|---|-----------------|--|---------------------|----------------------------|----------|------------------------------|----|
| USPTO Form 1449 U.S. Department of Commerce<br>Patent and Trademark Office<br><b>INFORMATION DISCLOSURE</b><br><b>CITATION</b><br>Sheet 1 of 1  |                 | Attorney Docket No. <b>10/549621</b><br>000475.00012<br>Applicant(s): Dirk BREIDT et al<br>Filing Date: September 20, 2005<br>Group: TBA |                     |                            |          |                              |    |
| <b>U.S. PATENT DOCUMENTS</b>  |                 |  |                     |                            |          |                              |    |
| Examiner Initial  | Patent No.      | Date   | Name                | Class                      | Subclass | Filing Date (if appropriate) |    |
|   | US 5 567 522 A  | 22 October 1996  | TAKAHASHI, T et al. |                            |          |                              |    |
|   |                 |  |                     |                            |          |                              |    |
|   |                 |  |                     |                            |          |                              |    |
|   |                 |  |                     |                            |          |                              |    |
| <b>FOREIGN PATENT DOCUMENTS</b>   |                 |  |                     |                            |          |                              |    |
| Examiner Initial  | Document No.    | Date   | Country             | Class                      | Subclass | Translation                  |    |
|   |                 |  |                     |                            |          | YES                          | NO |
|   | DE 199 22 665 A | 23 November 2000   | Germany             |                            |          |                              |    |
|   | WO 01/18284 A   | 15 March 2001  | PCT                 |                            |          |                              |    |
|   |                 |  |                     |                            |          |                              |    |
| <b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)</b>   |                 |  |                     |                            |          |                              |    |
| <del>ALI et al.: "Promoting secondary nucleation using methane modulations during diamond chemical vapor deposition to produce smoother, harder, and better quality films", J. MATER. RES. (USA) JOURNAL OF MATERIALS RESEARCH, Feb 2003, Vol. 18, NO. 2, pages 296-304, XP009034569.</del> |                 |  |                     |                            |          |                              |    |
| <del>ALI et al.: "Deposition of polycrystalline diamond films using conventional and time-modulated CVD processes", THIN SOLID FILMS, vol. 420-421, December 2, 2002, pages 155-160, XP004397837</del>  |                 |  |                     |                            |          |                              |    |
| <del>FAN et al.: "Novel time-modulated chemical vapor deposition process for growing diamond films", J. MATER. RES. (USA) JOURNAL OF MATERIALS RESEARCH, July 2002, vol. 17, no. 7, pages 1563-1566, XP009034570.</del>   |                 |  |                     |                            |          |                              |    |
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| <del>KOMAROV et al.: "Self-Limiting Diamond Growth from Alternating CFX and H Fluxes: DIAMOND AND RELATED MATERIALS, vol. 7, no. 8, August 1, 1998, pages 1087-1094, XP000668682.</del>   |                 |  |                     |                            |          |                              |    |
| <del>CHEN et al.: "Growth of Highly Transparent Nanocrystalline Diamond Films and a Spectroscopic Study of the Growth", JOURNAL OF APPLIED PHYSICS, vol. 83, no. 1, January 1, 2001, pages 753-759, XP001053812.</del>  |                 |  |                     |                            |          |                              |    |
| <del>JIANG et al.: "Synthesis and structural study of nano/micro diamond overlayers films" JOURNAL OF CRYSTAL GROWTH, vol. 242, no. 3-4, July 2002, pages 362-366, XP004368868.</del>   |                 |  |                     |                            |          |                              |    |
| <del>ALI et al.: "Nanocrystalline diamond films deposited using a new growth regime", MATER. SCI. TECHNOL. (UK), MATERIALS SCIENCE AND TECHNOLOGY, July 2003, vol. 19, no. 7, July 2003, pages 987-990, XP009034515.</del>  |                 |  |                     |                            |          |                              |    |
| <del>ALI et al.: "Implementation of the time-modulated process to produce diamond films using microwave-plasma and hot filament CVD systems", VACUUM (UK), July 25, 2003, vol. 71, no. 4, pages 445-450, XP002290488.</del>   |                 |  |                     |                            |          |                              |    |
| EXAMINER /Matthew Song/   |                 |  |                     | DATE CONSIDERED 05/09/2009 |          |                              |    |
| <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</small>                                    |                 |  |                     |                            |          |                              |    |